

Abstract

Communications system in which at least certain mobile devices (1) are each able to be connected to a power supply network (4) via a connecting module (2), which connecting modules (2) comprise a power line communications module (21) by means of which said mobile devices (1) are able to communicate, via the said power supply network (4), with a visitor location register (5), which register is connected to the said power supply network (4) via a power line communications module, user identifications (123) in particular, which are stored in an identification module (12), removably connected in each case to a mobile device (1), being transmitted by the mobile devices (1) via the said power supply network (4) to this power supply network visitor location register (5). Calls from terminals (91, 91') to respective mobile devices (1) connected to the power supply network are passed on by a mobile switching center (7) via the power supply network visitor location register (5) to the mobile devices (1), respectively transmitted in reverse direction to called terminals (91, 91') via the power supply network visitor location register (5) and the mobile switching center (7)

(sole Figure)